

Saurabh Tyagi



About Me



- >4.5 Years' experience as R&D Engineer & AWS Cloud Admin. [approx. 2 years' experience as **AWS Cloud Administrator**]
- August 02, 1995
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AWS Cloud Administrator

The primary objective is to attain significant career growth through a continuous learning process, ensuring that I remain adaptable, forward-thinking, and competitive in an ever-evolving global landscape. I am committed to upgrading my knowledge, skills, and abilities to fulfill my responsibilities and contribute effectively to the organization I serve.



Experience

April 2021– Present: Company – OPPO Mobiles India Private Limited, Greater Noida

(2.3Yrs)

Post – AWS Cloud Administrator

- Responsibilities** –
- Proficient in deploying and supporting AWS services like **EC2, ELB, S3, Route 53, VPC, Autoscaling (ASG), RDS, SNS**, CloudFront, **AMI Management, EBS Snapshots**, CloudWatch, Security Groups (SG).
 - Troubleshooting EC2 Issues related to **Windows & Linux OS**.
 - To work closely with other depts. including Dev, Security, Database, QA, Prod, R&D and help them improve the architecture and handle issues related to system check and Infrastructure.
 - Creating **EC2** and managing disk expansions, **EBS snapshot** creation & restoration, volume migration & backups across multiple regions as per other team requirements & requests.
 - Customization and modification of **AMIs** as per dept. requirements.
 - To modify and upgrade existing cloud infrastructure.
 - Directly work with engineering teams and non-technical business users to troubleshoot and resolve access, performance, and availability issues.
 - To create **VPC** and manage instance firewalls, NAT-Gateways, Private & Public Subnets.
 - To Integrate **Amazon Cloud Watch** with Amazon EC2 instances for monitoring log files, track metrics and health checks of servers – **SNS** notification setups.
 - To work on AWS Cloud Infra using **AWS Console** and **AWS CLI**.
 - To successfully launch EC2 Instances on Linux & Windows OS using AMIs.
 - To work closely with Security team and ensure high security of our Infra using services like – IAM, MFA, ELB, NACL, Security Groups, IAM Roles etc.
 - Creating and managing **S3 Buckets** in AWS – copying data to S3, bucket versioning, Hosting Static website, give access to team member using IAM Roles.
 - To create new **VPC** environment with private & public subnets including Webserver, DB Servers, Bastion Host, Flow Logs, IGW, NATGW.
 - To monitor incidents on **service now** platform and solve cloud infra related issues within SLA.
 - To manage High Availability of systems using **EC2 ASG** with Load Balancers.
 - Migrating EBS volumes from GP2 to GP3 volumes as part of cost optimization.
 - To set Cloud Watch alarms and configure SNS Events to ensure health checks are done in timely manner.
 - Creating and managing routing policies and records using AWS **Route53** service.
 - To configure and manage SSL/TLS certificates on AWS Certificate Manager (ACM) service.

Mar 2020–April 2021: Company – UKB Electronics Pvt. Ltd. , Noida

(1Yr 1Mo)

Post – R&D Engineer (Consumer Electronics)

- Responsibilities –**
- Development of various electronics products of consumer electronics like wiring Harness, and Remote of REF, AC, and MWO.
 - Interact with Clients to get problem/design requirements and deliver customized solutions using Python.
 - To Analyze & validate Feasibility study of new RFQs with CFT.
 - To program and debug remotes using EmbeddedC language & get it approved by customer.

Oct 2018–Mar 2020: Company – Mandeep Cables Pvt. Ltd. , Greater Noida

(1Yrs 4Mo)

Post – NPD Engineer (New Product Development Engineer)

- Responsibilities –**
- R&D of the new product of Harness, Data cables.
 - To demonstrate product samples to customers & face their queries and make final prototype accordingly.
 - To design and develop products as per customer's designs & requirements.
 - To create and manage development related documents of New Products.



Awards & Honors

- Received 3 Employee of the month award for month of April, June and July in year 2022 in OPPO Mobiles India Private Limited.
- Received remarkable appraisal from MD on successfully completing a High-value project with the company LG Electronics in UKB Electronics.
- Received Employee of the year award by R&D department manager in UKB Electronics.
- Secured third position and won cash prize worth rs.50K at National Level Project Competition conducted by Elecrama 2016 at BIEC Bangalore.
- Received best research paper award for presenting a research paper in RACCS-2016 conference on Subject - Data Communication through Li-Fi.



Projects Undertaken

- **New VPC Environment Created for OPPO Indonesia** Company- OPPO Mobiles (in 2022-23)
Project undertaken to create new VPC environment in Jakarta region for OPPO Indonesia unit. All services were deployed as per discussion and requirements of other teams.
- **Cost Optimization Project** Company- OPPO Mobiles (in 2022-23)
Projects undertaken to migrate EBS GP2 volumes to GP3 as cost optimization project. It leads to better IOPS as well as low cost for same infra. This was done in automated manner using **Python Boto3**.
- **Zero Downtime Deployment** Company- OPPO Mobiles (in 2021-22)
Project undertaken to upgrade the critical web servers with zero downtime. All six web servers upgraded one by one using AMI Backups and Launch Configurations.
- **VA/VE Project for RM Cost Reduction** Company- UKB Electronics (in 2020-21)
Projects taken under VA/VE category to reduce the Raw Material cost by approx. 30% using methodologies for removing redundant Raw Materials & Suppliers and Localization of RM.
- **ASIG RET control cables Project for Development** Company- Mandeep Cables (in 2019-20)
Projects undertaken to develop ASIG RET radio frequency control cable using Amphenol 8Pin connector for customer – Ericsson. Radio jumper cable lengths -1m, 2m, 5m.



Education

Bachelor of Engineering / Bachelor of Technology, Electronics and Communication engineering

Bharat Institute of Technology
UPTU, AICTE
Meerut, Uttar Pradesh

Completed, July 2017
Marks 75.2%

Intermediate, Science

Meerut Public School
CBSE
Meerut, Uttar Pradesh

Completed, July 2013
Marks 75.6%

High School

Meerut Public School
CBSE
Meerut, Uttar Pradesh

Completed, July 2011
CGPA 7.0



Trainings & Certifications

- Completed AWS Certified Solutions Architect Associate SAA-C03 course from Udemy.
- Online **Python3.0** Training from kaggle.com.
- 3 months **Industrial Automation training**, at **Sofcon India Pvt Ltd** (National Skill Development Corporation)
 - Trained to work on various software related to PLC and SCADA.
 - learned basics of Panel designing and Industrial networking.
- 4 week GSM Systems training, at Huawei Telecommunication Co Pvt Ltd, Gurgaon in 2016
- 6 months **embedded systems training**, at Sky Infotech, Noida in 2015.



Strengths & Skill Set

- Punctual, take responsibility and manage projects effectively.
 - Gathers appropriate information and provide well thought out workable solutions for any task.
 - Supportive and Motivates team mates to learn & grow.
 - Peer Tutoring and Good Communication skills.
 - Eager to learn new skill set and technologies.
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- **AWS Services:** IAM, EC2, S3, VPC, EBS, AMI, Route53, SNS, Cloud Watch, Elastic IP, Auto Scaling, Lambda Functions, Internet Gateway (IGW), NATGW, NACL, RDS.
 - **Computer Tools:** MS office- Word, PPT, Excel, Outlook, Notepad, WPS etc.
 - **Programming Languages:** Embedded C, Python 3.0, Numpy, Pandas basics.
 - **Other Tools:** Putty, WinSCP, AWS CLI, Tree-size, Git & GitHub VCS.
 - **OS:** Windows, Linux Distros- Red Hat, Ubuntu, Mint.



Personal Details

Father's Name: Mr. Umesh Kumar Tyagi
Birthday: August 02, 1995
Gender: Male

Marital Status: Single
Nationality: India

Current Address : Nirala Estate, Techzone IV, Greater Noida